

Flood Control Project Maintenance
2011 Structure Summary Report
Overall Unit and Item Ratings

Turlock Irrigation District Gomes Lake

Gomes Lake Pumping Plant

Overall Unit Rating	Rated Item	Item Rating
A	Operating Log	A
	Operation & Maintenance Manual	A
	Plant Building	A
	Communications	A
	Safety	A
	Cranes	N
	Pumps	A
	Power	A
	Motors, Engines, Fans & Gear Reducers	N
	Pump Control Systems	A
	Sumps/Wet Well	A
	Trash Racks	A
	Trash Rakes	N
	Sluice / Slide Gates	A
	Electric Gate Operators	A
	Manual Gate Operators	A
	Other Metallic Items	A
	Flap Gates	A
	Closure Structures	N
	Security Fencing	A
	Intake and Discharge Pipes	A
	Pressurized Pipe	A

Flood Control Project Maintenance**Unit Cover Sheet****2011 Pumping Plant Inspection Results****Turlock Irrigation District Gomes Lake**

Pumping Plant
Gomes Lake Pumping Plant

Pumping Plant Rating	A
Date of Inspection	7/28/2011
DWR Inspector	Pavel Kazi
Accompanied By	Tou Her TID
	Robert Caetano TID

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2011

Gomes Lake

Structure						Structure Length	Inspection Start/End	Inspector
Gomes Lake Pumping Plant							07/28/2011 07/28/2011	Pavel Kazi

LMR No.	Levee Mile		Category	Item	Location *	Rating **	Action/Comment	GPS Latitude/Longitude		Issue No.
	Start	End						Start	End	Photo
1	0.00	0.00	Pump Stations	Operating Log		A	Item inspected visually only. Item was not operated during the inspection. Inspector Comments: Operation log wasn't present at the plant, but the record was available at the district office. It is recommended to keep the log at the plant.	37.481567 ° -121.046617 °	37.481567 ° -121.046617 °	1
2	0.00	0.00	Pump Stations	Operation & Maintenance Manual		A	Item inspected visually only. Item was not operated during the inspection. Inspector Comments: The O&M manual was present at the plant.	37.481567 ° -121.046617 °	37.481567 ° -121.046617 °	2
3	0.00	0.00	Pump Stations	Plant Building		A	Item inspected visually only. Item was not operated during the inspection. Inspector Comments: The plant building appeared to be in good structural condition with no major visible concrete damage.	37.481567 ° -121.046617 °	37.481567 ° -121.046617 °	3 Y
4	0.00	0.00	Pump Stations	Communications		A	Item inspected visually only. Item was not operated during the inspection. Inspector Comments: District personnel carried cell phones.	37.481567 ° -121.046617 °	37.481567 ° -121.046617 °	4
5	0.00	0.00	Pump Stations	Safety		A	Item inspected visually only. Item was not operated during the inspection. Inspector Comments: No significant safety hazard was observed at the plant during inspection. The lights were in working condition along with guard rails around the structure.	37.481567 ° -121.046617 °	37.481567 ° -121.046617 °	5 Y
6	0.00	0.00	Pump Stations	Cranes		N	Item inspected visually only. Item was not operated during the inspection. Inspector Comments: No crane was present at this plant.	37.481567 ° -121.046617 °	37.481567 ° -121.046617 °	6
7	0.00	0.00	Pump Stations	Pumps		A	Item inspected visually only. Item was not operated during the inspection. Inspector Comments: All pumps were properly maintained and lubricated and they were periodically tested before the high water season. One of the pump was turned on during inspection to verify the flow rates.	37.481567 ° -121.046617 °	37.481567 ° -121.046617 °	7 Y
8	0.00	0.00	Pump Stations	Power		A	Item inspected visually only. Item was not operated during the inspection. Inspector Comments: The power source for this plant was delivered by the power grid rather than a generator and it appeared to be adequate and reliable.	37.481567 ° -121.046617 °	37.481567 ° -121.046617 °	8 Y
9	0.00	0.00	Pump Stations	Motors, Engines, Fans & Gear Reducers		N	Item inspected visually only. Item was not operated during the inspection. Inspector Comments: Other than the pump, no gear reducer or any other mechanical motor was present at the plant.	37.481567 ° -121.046617 °	37.481567 ° -121.046617 °	10

*** Location**

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WS : Water Side
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**** Rating**

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2011

Gomes Lake

Structure							Structure Length	Inspection Start/End	Inspector	
Gomes Lake Pumping Plant								07/28/2011 07/28/2011	Pavel Kazi	
LMR No.	Levee Mile		Category	Item	Location *	Rating **	Action/Comment	GPS Latitude/Longitude		Issue No.
	Start	End						Start	End	Photo
10	0.00	0.00	Pump Stations	Pump Control Systems		A	Item inspected visually only. Item was not operated during the inspection. Inspector Comments: The pump control system was operational and appeared to be free of any damage or corrosion.	37.481567 ° -121.046617 °	37.481567 ° -121.046617 °	11 Y
11	0.00	0.00	Pump Stations	Sumps/Wet Well		A	Item inspected visually only. Item was not operated during the inspection. Inspector Comments: The wet well was clear of excessive debris and other obstructions.	37.481567 ° -121.046617 °	37.481567 ° -121.046617 °	12 Y
12	0.00	0.00	Pump Stations	Trash Racks		A	Item inspected visually only. Item was not operated during the inspection. Inspector Comments: The trash racks were free of debris and appeared to be maintained properly.	37.481567 ° -121.046617 °	37.481567 ° -121.046617 °	13
13	0.00	0.00	Pump Stations	Trash Rakes		N	Item inspected visually only. Item was not operated during the inspection. Inspector Comments: No trash rakes were present at this plant.	37.481567 ° -121.046617 °	37.481567 ° -121.046617 °	14
14	0.00	0.00	Pump Stations	Sluice / Slide Gates		A	Item inspected visually only. Item was not operated during the inspection. Inspector Comments: The slide gates were open during inspection and water was flowing freely when the pump was turned on. The slide gate appeared to be free of sediments and other obstructions.	37.481567 ° -121.046617 °	37.481567 ° -121.046617 °	15 Y
15	0.00	0.00	Pump Stations	Electric Gate Operators		A	Item inspected visually only. Item was not operated during the inspection. Inspector Comments: The electric gate operators were in good working condition.	37.481567 ° -121.046617 °	37.481567 ° -121.046617 °	16
16	0.00	0.00	Pump Stations	Manual Gate Operators		A	Item inspected visually only. Item was not operated during the inspection. Inspector Comments: Manual gate operators appeared to be operational and capable of opening and closing the gate properly.	37.481567 ° -121.046617 °	37.481567 ° -121.046617 °	17 Y
17	0.00	0.00	Pump Stations	Other Metallic Items		A	Item inspected visually only. Item was not operated during the inspection. Inspector Comments: All the other metal parts in the plant appeared to be in good condition and showed very little corrosion or deterioration.	37.481567 ° -121.046617 °	37.481567 ° -121.046617 °	18 Y
18	0.00	0.00	Pump Stations	Flap Gates		A	Item inspected visually only. Item was not operated during the inspection. Inspector Comments: The flap gates appeared to be in good working condition and capable of performing as intended.	37.481567 ° -121.046617 °	37.481567 ° -121.046617 °	19
19	0.00	0.00	Pump Stations	Closure Structures		N	Item inspected visually only. Item was not operated during the inspection. Inspector Comments: No closure structure exists at this plant.	37.481567 ° -121.046617 °	37.481567 ° -121.046617 °	20

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2011

Gomes Lake

Structure	Structure Length	Inspection Start/End	Inspector
Gomes Lake Pumping Plant		07/28/2011 07/28/2011	Pavel Kazi

LMR No.	Levee Mile		Category	Item	Location *	Rating **	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
20	0.00	0.00	Pump Stations	Security Fencing		A	Item inspected visually only. Item was not operated during the inspection. Inspector Comments: The security fencing appeared to be in good condition and should provide protection against unauthorized access.	37.481567 ° -121.046617 °	37.481567 ° -121.046617 °	21
21	0.00	0.00	Pump Stations	Intake and Discharge Pipes		A	Item inspected visually only. Item was not operated during the inspection. Inspector Comments: The intake and discharge pipes appeared to be free of any breaks, holes or cracks.	37.481567 ° -121.046617 °	37.481567 ° -121.046617 °	22
22	0.00	0.00	Pump Stations	Pressurized Pipe		A	Item inspected visually only. Item was not operated during the inspection. Inspector Comments: There was no evidence of erosion or leakage around the pipe.	37.481567 ° -121.046617 °	37.481567 ° -121.046617 °	23

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Levee Inspection Report By Mile - Structure 2011

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Gomes Lake Pumping Plant		07/28/2011 07/28/2011	Pavel Kazi

Levee Mile Report Line	3
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Pump Stations
Item	Plant Building

View of the pumping plant.

pkazi_t_20110810_088.jpg



Levee Mile Report Line	5
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Pump Stations
Item	Safety

View of the guard rails at the structure.

pkazi_t_20110810_089.jpg



Levee Mile Report Line	7
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Pump Stations
Item	Pumps

View of the pumps.

pkazi_t_20110810_090.jpg



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Levee Mile Report Line	7
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Pump Stations
Item	Pumps
View of the pump that was tested during inspection.	
pkazi_t_20110810_091.jpg	



Levee Mile Report Line	8
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Pump Stations
Item	Power
View of the power source at the plant.	
pkazi_t_20110810_092.jpg	



Levee Mile Report Line	10
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Pump Stations
Item	Pump Control Systems
View of one of the power cabinets.	
pkazi_t_20110810_093.jpg	

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Levee Mile Report Line	10
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Pump Stations
Item	Pump Control Systems

View of one of the power control systems.

pkazi_t_20110810_094.jpg



Levee Mile Report Line	10
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Pump Stations
Item	Pump Control Systems

View of the control system.

pkazi_t_20110810_095.jpg



Levee Mile Report Line	11
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Pump Stations
Item	Sumps/Wet Well

View of the wet well.

pkazi_t_20110810_096.jpg



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Levee Mile Report Line	14
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Pump Stations
Item	Sluice / Slide Gates

View of the slide gate from the top of the structure.

pkazi_t_20110810_097.jpg



Levee Mile Report Line	16
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Pump Stations
Item	Manual Gate Operators

View of the manual gates.

pkazi_t_20110810_098.jpg



Levee Mile Report Line	17
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Pump Stations
Item	Other Metallic Items

View of one of the pumps.

pkazi_t_20110810_099.jpg



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Gomes Lake Pumping Plant		07/28/2011 07/28/2011	Pavel Kazi

Levee Mile Report Line	17
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Pump Stations
Item	Other Metallic Items

Detail view of the pump shows little corrosion.

pkazi_t_20110810_100.jpg



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